

In the Claims:

1. (Currently Amended). A method of detecting expression of a human heparanase gene which comprises a polynucleotide as set forth in SEQ ID NO: 1 in a human individual suspected of suffering from a blood cancer, the method comprising using an antiheparanase antibody capable of binding heparanase encoded by SEQ ID NO: 1 for monitoring a protein expression or activity of said human heparanase gene in white blood cells of said individual in vitro, wherein the presence of said protein expression or activity indicates the expression of said human heparanase gene.